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NAKAMURA SETSUO**(54) VALVE SYSTEM OF ENGINE**

in the forward of the gear chamber 9 of a cylinder head 4.

(57) Abstract:

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PURPOSE: To simplify structure and improve supporting rigidity by holding the hub of a variable valve timing mechanism on a cam shaft end part by a means of a cylindrical shaft member to fasten the hub by means of a fastening member, and bearing-supporting the shaft member on a cylinder head.

CONSTITUTION: In a V typed engine 1 provided with a DOHC valve system, gears 7, 8 provided between cams are arranged on respective one end parts of an intake side cam shaft 2 and an exhaust side cam shaft 3 so as to engage each other as a driving wheel provided between the cams. A variable valve timing mechanism 20 is arranged inside the boss part 7a of the gear 7 provided between the cams of the intake side. A cylindrical shaft member 17a for holding the hub 21 of the variable valve timing mechanism 20 is provided on the center part of the gear 7 provided between the cams of the intake side, and the shaft member 17 is installed by a jointing member 18 jointed on the cam shaft 2. The journal part 17a of the shaft member 17 is bearing-supported on a front end bearing part 5a mounted

